Name:

p1103: Expand Product of Linear Binomials (v11)

Question 1

Expand the product of linear binomials. $(x+2)(x+9)$

$$x^2+9x+2x+18$$

$$x^2+11x+18$$

Question 2

Expand the product of linear binomials. $(x-1)(x+6)$

$$x^2+6x-x-6$$

$$x^2+5x-6$$

Question 3

Expand the product of linear binomials. $(x+5)(x+7)$

$$x^2+7x+5x+35$$

$$x^2+12x+35$$

Question 4

Expand the product of linear binomials. $(-5x-3)(7x-2)$

$$-35x^2+10x-21x+6$$

$$-35x^2-11x+6$$

Question 5

Expand the product of linear binomials. $(-7x+6)(3x-3)$

$$-21x^2+21x+18x-18$$

$$-21x^2+39x-18$$

Question 6

Expand the product of linear binomials. $(x-2)(x-2)$

$$x^2 - 2x - 2x + 4$$

$$x^2 - 4x + 4$$

Question 7

Expand the product of linear binomials. $(-8x+7)(-8x+8)$

$$64x^2 - 64x - 56x + 56$$

$$64x^2 - 120x + 56$$

Question 8

Expand the product of linear binomials. $(x-1)(x-2)$

$$x^2 - 2x - x + 2$$

$$x^2 - 3x + 2$$

Question 9

Expand the product of linear binomials. $(-4x-1)(-6x+2)$

$$24x^2 - 8x + 6x - 2$$

$$24x^2 - 2x - 2$$

Question 10

Expand the product of linear binomials. $(6x-5)(6x-6)$

$$36x^2 - 36x - 30x + 30$$

$$36x^2 - 66x + 30$$